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Assistant Commissioner for Patents  
Washington, D.C. 20231

On June 27, 2001

TOWNSEND and TOWNSEND and CREW LLP

Kathryn A. Degler



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Makoto Yamamori

Application No.: 09/841,787

Filed: April 24, 2001

For: HIGH AMYLOSE WHEAT  
STARCH AND WHEAT CONTAINING  
THE SAME

Examiner: Not Yet Assigned

Art Unit: 1661

RESPONSE TO FILE CORRECTED  
APPLICATION PAPERS AND  
PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Prior to examination of the above-referenced application, please enter the following amendments and remarks.

IN THE SPECIFICATION:

On page 1, please replace the first paragraph, below "CROSS-REFERENCES TO RELATED APPLICATIONS" as follows:

This application is a divisional of U.S. application number 09/325,819 filed June 4, 1999, the disclosure of which is being incorporated by reference for all purposes.

On page 5, please replace the paragraph below "BRIEF DESCRIPTION OF THE DRAWINGS" as follows:

Figure 1 is a photograph of a gel developing an electrophoresis pattern of wheat lacking one or more SGP-1s. Lane 1 shows Chinese Spring as a control; lane 2 shows Turkey 116

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(Parent); lane 3 shows Kanto 79 (Parent); lane 4 shows Chousen 57 (Parent); and lane 5 shows SGP-1 null wheat.

**Response to the Notice to File Corrected Application Papers**

**IN THE DRAWINGS:**

In response to the Notice to File Corrected Application Papers dated June 6, 2001, Figure 1 has been amended by omitting the text below the photograph. A red-lined corrected copy of Figure 1 showing the corrections and a formal Figure 1 are attached.

**REMARKS**

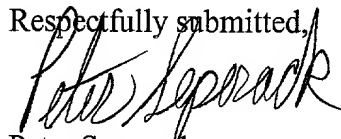
Applicant believes no fee is due. If a fee is due with the Reply to Notice to File Corrected Application Papers, the Commissioner is authorized to charge the fee to Deposit Account No.: 20-1430.

**CONCLUSION**

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 415-576-0200.

Respectfully submitted,



Peter Seperack  
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**VERSION WITH MARKINGS TO SHOW CHANGES MADE TO SPECIFICATION**

On page 1, first paragraph, below "CROSS-REFERENCES TO RELATED APPLICATIONS" please amend the paragraph as follows:

This application is a divisional of U.S. application number 09/325,819, filed June [3]4, 1999, the disclosure of which is being incorporated by reference for all purposes.

On page 5, line 22, below "BRIEF DESCRIPTION OF THE DRAWINGS" please amend the paragraph as follows:

Figure 1 is a photograph of a gel developing an electrophoresis pattern of wheat lacking one or more SGP-1s. Lane 1 shows Chinese Spring as a control; lane 2 shows Turkey 116 (Parent); lane 3 shows Kanto 79 (Parent); lane 4 shows Chousen 57 (Parent); and lane 5 shows SGP-1 null wheat.

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## APPENDIX OF PENDING CLAIMS

6. Wheat flour obtained from endosperm of a seed of wheat which is modified to lack SGP-1, comprising wheat starch which has an apparent amylose content of about 35% or more.

7. The wheat flour of claim 6, wherein the apparent amylose content is from about 37% to about 40%.

8. The wheat flour of claim 6, wherein the wheat is a hexaploid wheat which lacks SGP-A1, SGP-B1 and SGP-D1.

9. The wheat flour of claim 8, wherein the hexaploid wheat is obtained by crossing a first wheat lacking a first protein selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, with a second wheat lacking a second protein which differs from the first protein and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, followed by further crossing the cross of the first wheat and the second wheat with a third wheat lacking a third protein which differs from the first and second proteins and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1.

10. The wheat flour of claim 8, wherein the hexaploid wheat is obtained by crossing (i) Chousen 30 or Chousen 57, (ii) Turkey 116, and (iii) Kanto 79 in an arbitrary order.

11. Wheat which is modified to lack SGP-1, comprising wheat starch which has an apparent amylose content of about 35% or more.

12. The wheat of claim 11, wherein the apparent amylose content is from about 37% to about 40%.

13. The wheat of claim 11, which is a hexaploid wheat which lacks SGP-A1, SGP-B1 and SGP-D1.

14. The wheat of claim 13, wherein the hexaploid wheat is obtained by crossing a first wheat lacking a first protein selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, with a second wheat lacking a second protein which differs from the first protein and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1, followed by further crossing the cross

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of the first wheat and the second wheat with a third wheat lacking a third protein which differs from the first and second proteins and is selected from the group consisting of SGP-A1, SGP-B1 and SGP-D1.

15. The wheat of claim 13, wherein the hexaploid wheat is obtained by crossing (i) Chousen 30 or Chousen 57, (ii) Turkey 116, and (iii) Kanto 79 in an arbitrary order.

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